

NOTAM Event Encoding

Digital NOTAM Submission Working Group

December 5, 2007

Tony Rubiera (CNAC, for AJR-32)

System Operations - Airspace and AIM Division

Topics

- Event Hierarchy for NOTAMs
- Data Used:
 - D NOTAM Categorization (44k NOTAMs)
 - Q Code Categorization (44k NOTAMs)
 - Combined Categorization (110k NOTAMs)



Event Hierarchy

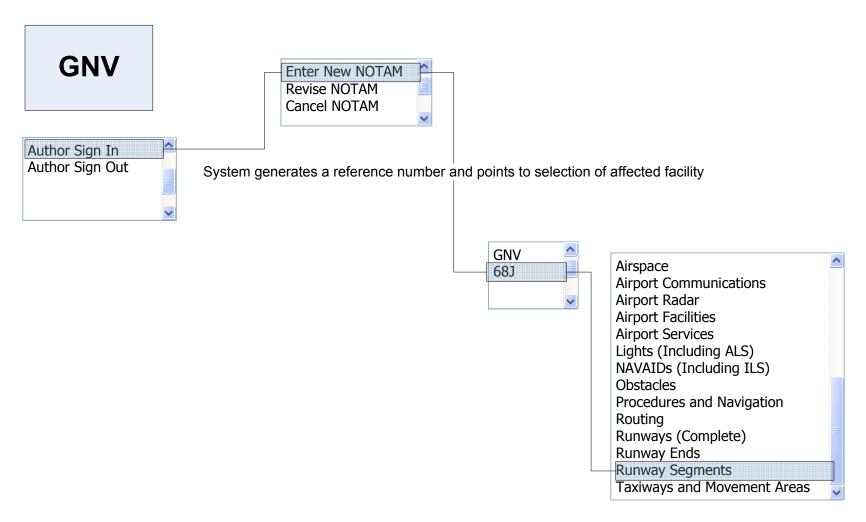
Event Categories (e.g. Runway)

- Event Sub-categories (e.g. Closed)
 - Logic for conditions (e.g. Aircraft over specified wingspan)
 - Reasons (we closed the runway because there are personnel and equipment working (PAEW) on it)
 - Warnings (beware of a problem you may encounter)
 - Hazards (something bad that could happen if you ignore this NOTAM)
 - Reference to other events that are affected by this safety condition



!GNV 10/184 68J 16 FIRST 250 CLSD

NOTAM Header





Categories for D NOTAM Re-alignment

Keyword	NOTAM Example	
RWY	RWY 3/21 CLSD	
TWY	TWY F LGTS OTS	
RAMP	RAMP TERMINAL EAST SIDE CONSTRUCTION	
APRON	APRON SW TWY C NEAR HANGARS CLSD	
AD	AD ABN OTS	
OBST	OBST TOWER 283 (246 AGL) 2.2 S LGTS OTS (ASR 106588	
NAV	NAV VOR OTS	
COM	COM ATIS OTS	
SVC	SVC FUEL UNAVBL TIL 0707291600	
	AIRSPACE AIRSHOW ACFT 5000/BLW 5 NMR AIRPORT	
AIRSPACE	AVOIDANCE ADZD WEF 0707152000-0707152200	

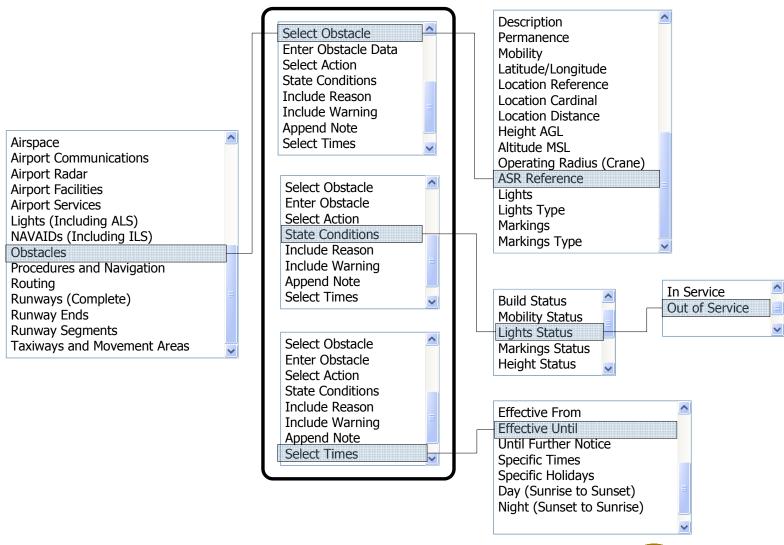


Categories based on content model NOTAMs Data Model (NDM)

NOTAMs Data Model	US Keywords	Q Code Categories
Airspace	AIRSPACE	QA, QR, QW
Comms and Radar	COM, SVC	QC
Facilities and Services	SVC, AD	QF
Lights	In other categories	QL
NAVAIDs	NAV	QN, QI
Obstacles	OBST	QO
Procedures and Navigation	In FDC NOTAMs, UAR	QP
Routing	In FDC NOTAMs	QS
Runways	RWY	QM
Taxiways and Areas	TWY, RAMP, APRON	QM

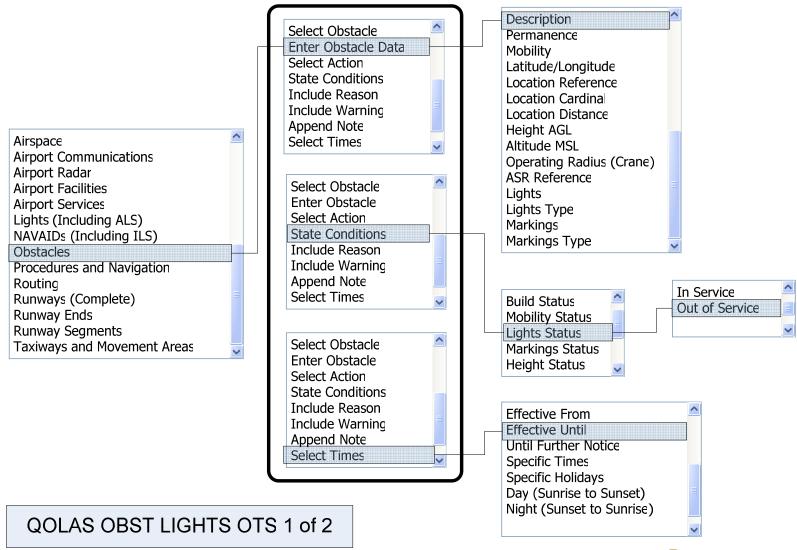


!SLC 09/031 SLC TOWER 5461 (252 AGL) .30 ESE LGTS OTS (ASR 1043494) TIL 709280212





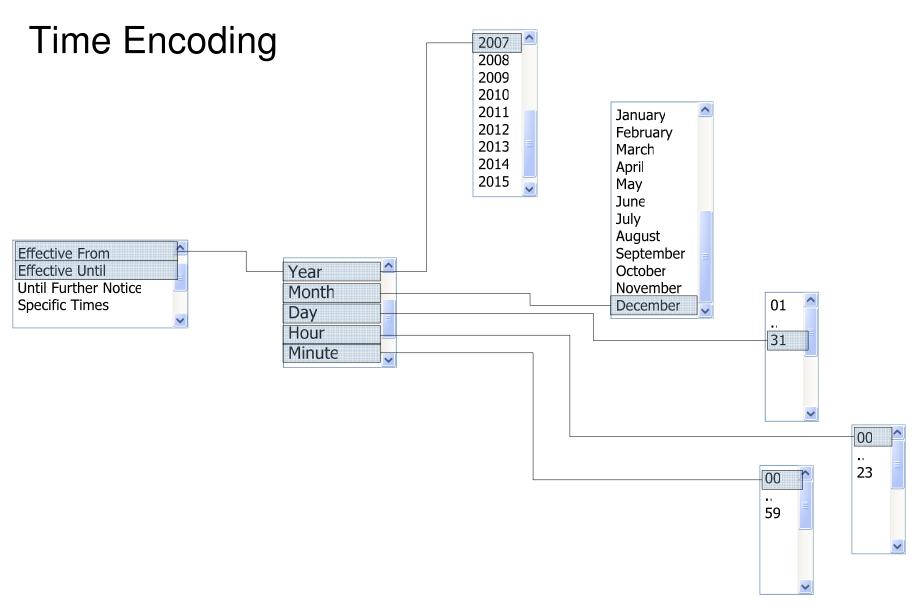
PSF 08/018 PSF TOWER 1460 (UNKN AGL) 1 36E LGTS OTS (ASR UNKN) TIL709111600



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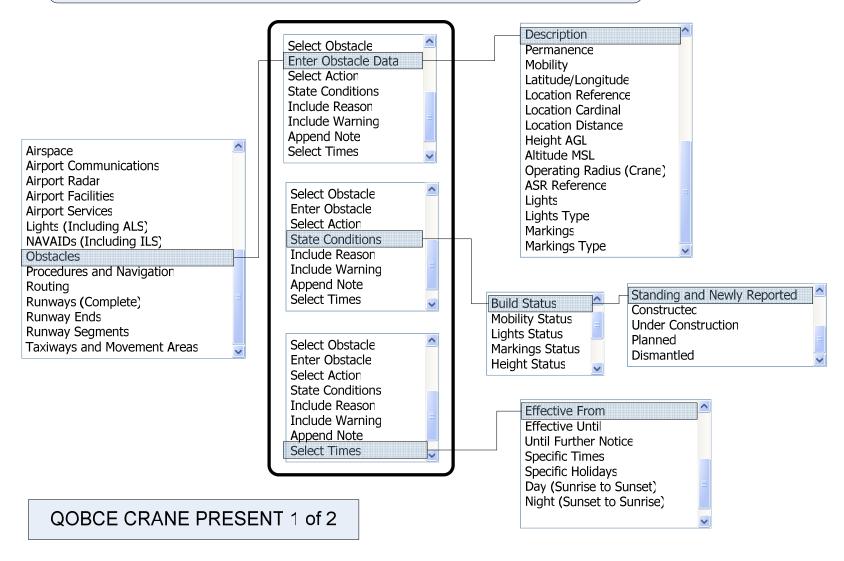




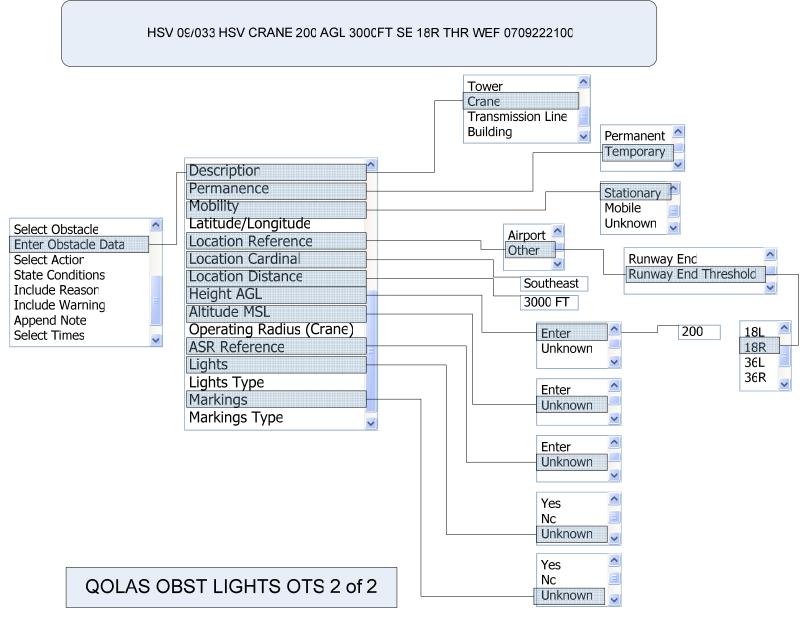
!PSF 08/018 PSF TOWER 1460 (UNKN AGL) 1.36 E LGTS OTS (ASR UNKN) TIL709111600 Tower Crane Transmission Line Building Permanent Temporary Description Permanence Stationary Mobility Mobile Select Obstacle Airport Latitude/Longitude Unknown Enter Obstacle Data Other Location Reference Select Action **Location Cardinal** State Conditions East Location Distance Include Reason Height AGL 1.36 NM **Include Warning** Altitude MSL Append Note Enter Select Times Operating Radius (Crane) Unknown **ASR Reference** Lights 1460 Enter Lights Type Unknown Markings Markings Type Enter Unknown Yes No Unknown Yes No QOLAS OBST LIGHTS OTS 2 of 2 Unknown



HSV 09/033 HSV CRANE 200 AGL 3000FT SE 18R THR WEF 0709222100







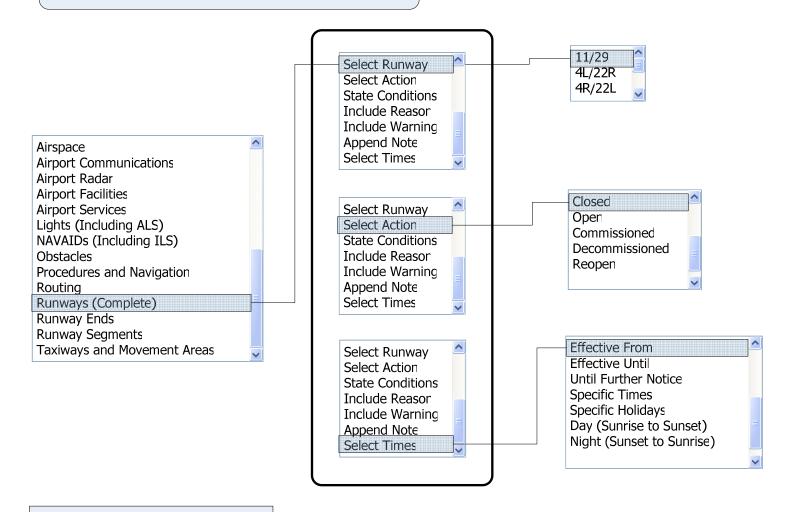


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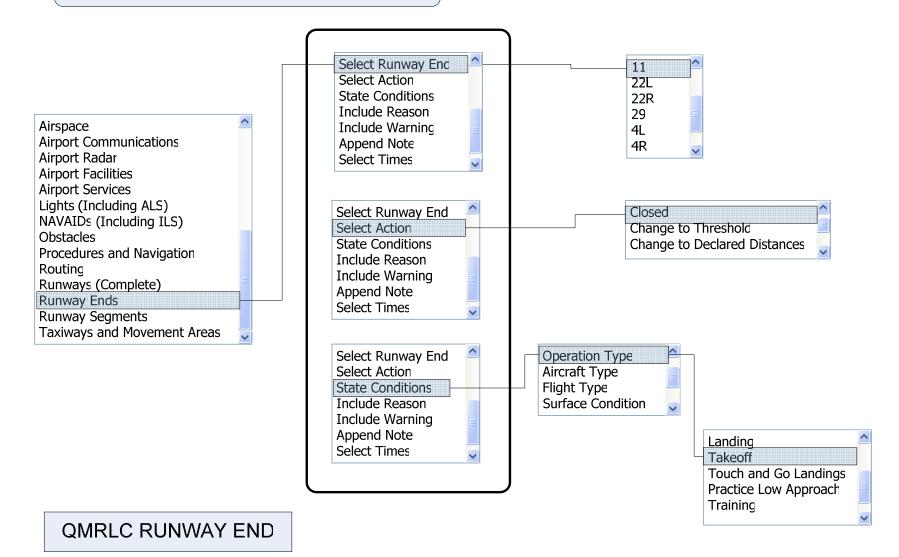
EWR 09/067 EWR 11/29 CLSD WEF 0709171600



QMRLC RUNWAY

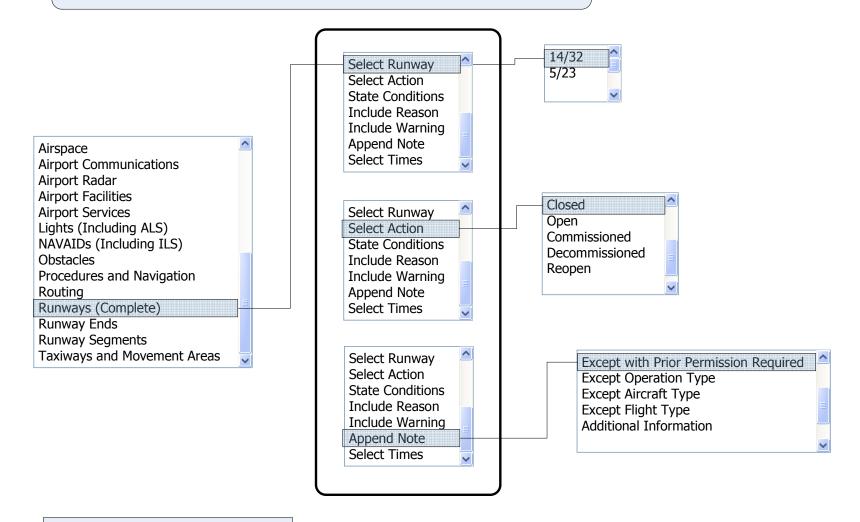


EWR 09/016 EWR 11 CLSD TKOF





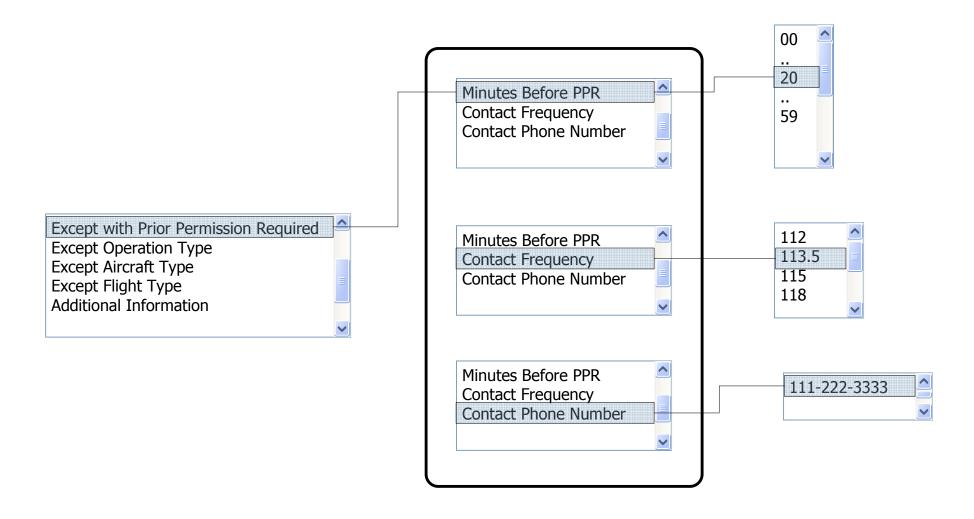
!BUF 09/105 BUF 14/32 CLSD EXC 20 MIN PPR WEF 0709240330-0709240930



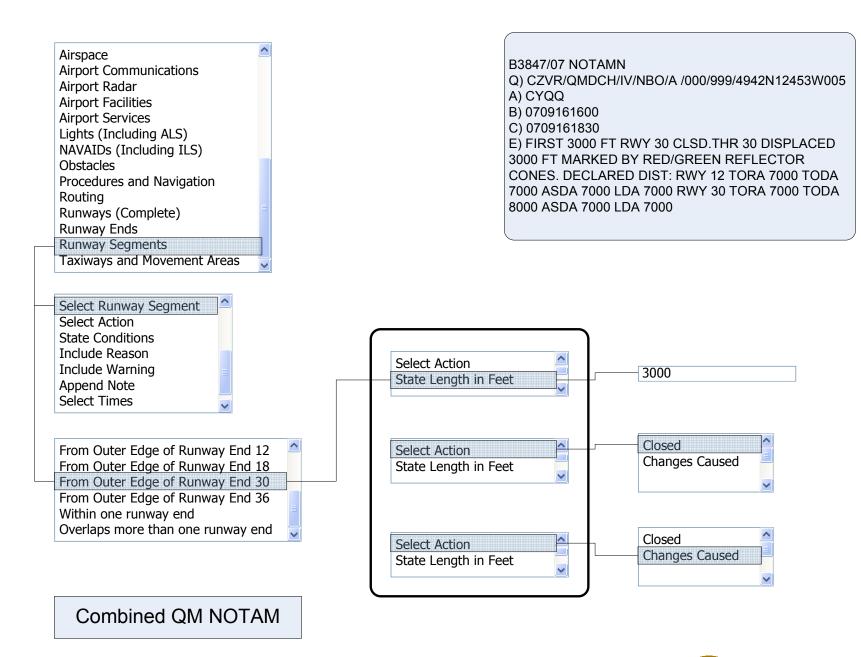
QMRLC RUNWAY



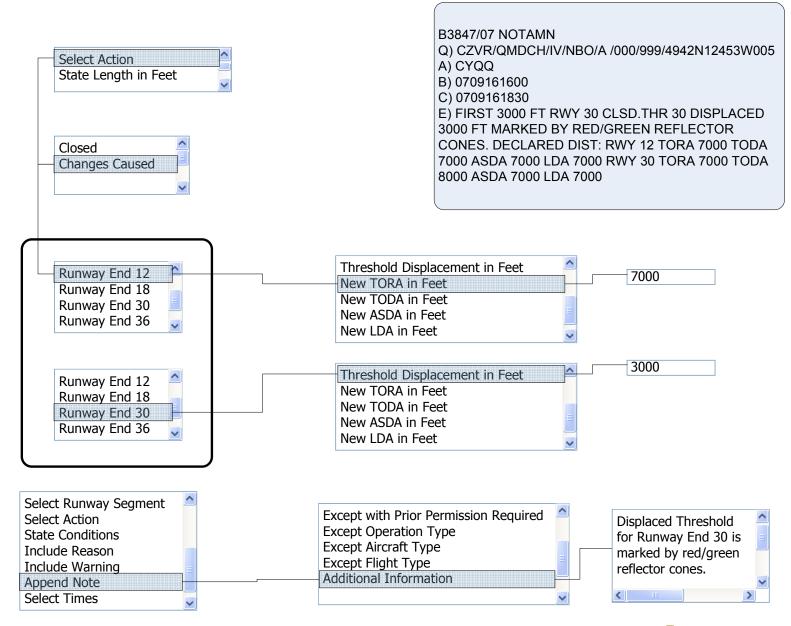
Prior Permission Required Exception









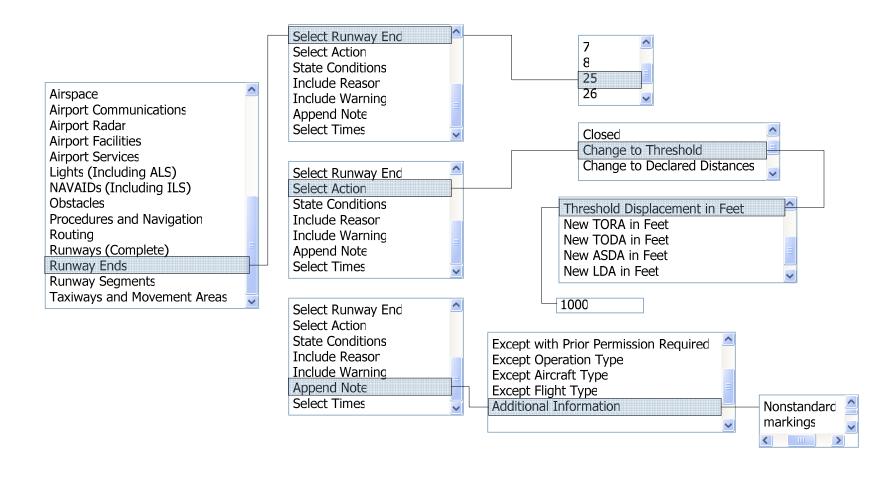


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EGE 09/004 EGE 25 THR DSPLCD 1000 NONSTD MARKING TIL 0709041300



QMTCM RUNWAY END DISPLACED THRESHOLD

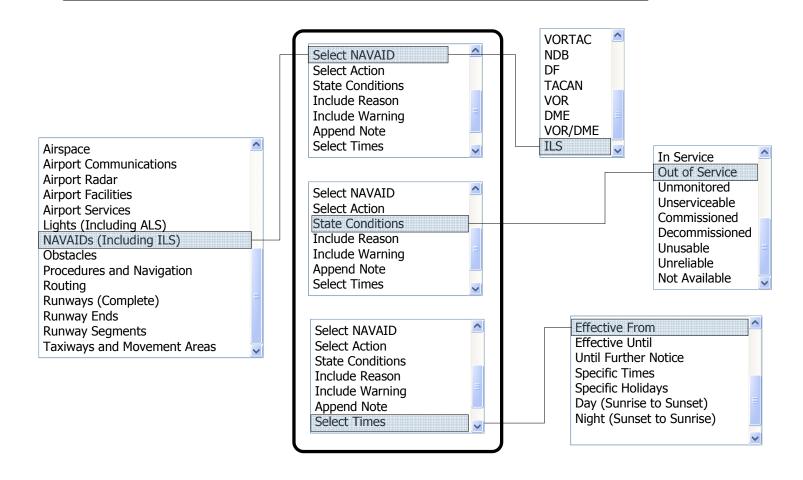


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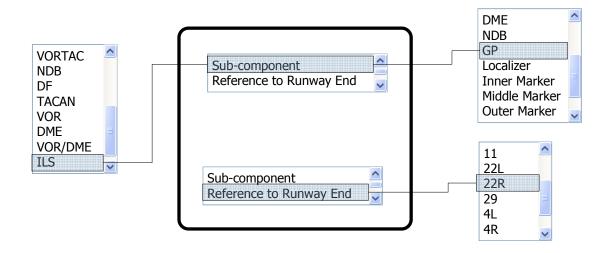
!EWR 09/055 EWR 22R ILS GP OTS WEF 0709141300



QICAS ILS GP OTS 1 of 2



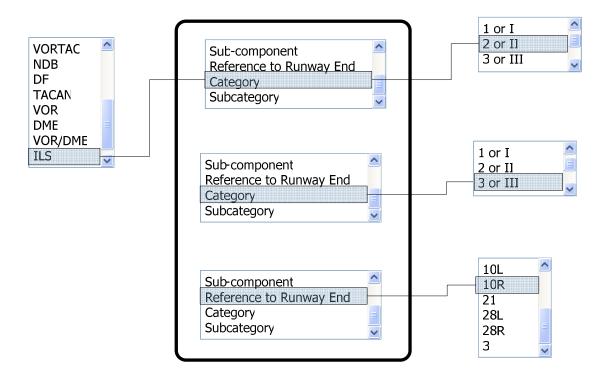
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QICAS ILS GP OTS 2 of 2



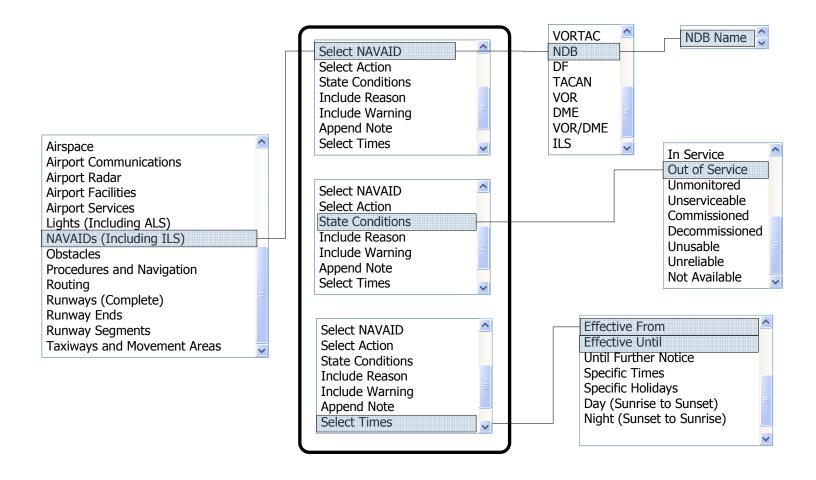
PDX 09/034 PDX 10R ILS CAT 2/3 NA WEF 0709191600-0709192200



QITAU ILS CAT OTS



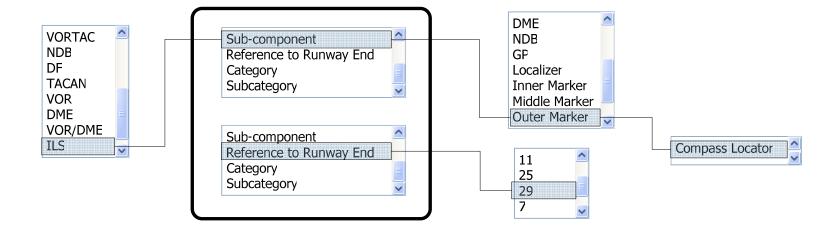
!GNV 09/047 GNV 29 WYNDS NDB/ILS LO OTS WEF 0709051100-0709051700



QIXAS NDB at ILS Outer Marker Compass Locator OTS 1 of 2



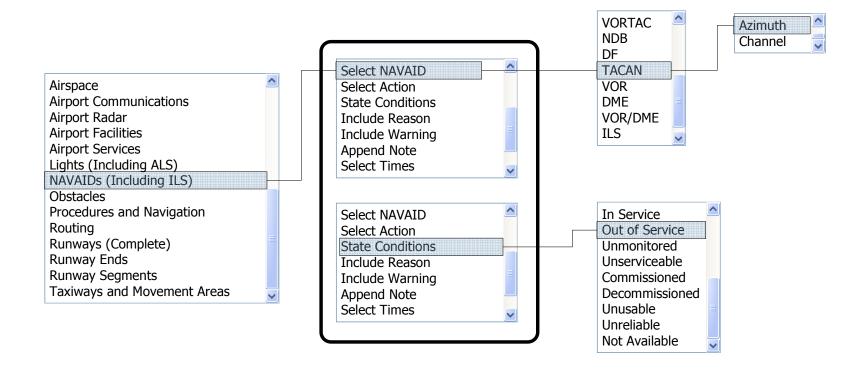
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QIXAS NDB at ILS Outer Marker Compass Locator OTS 2 of 2



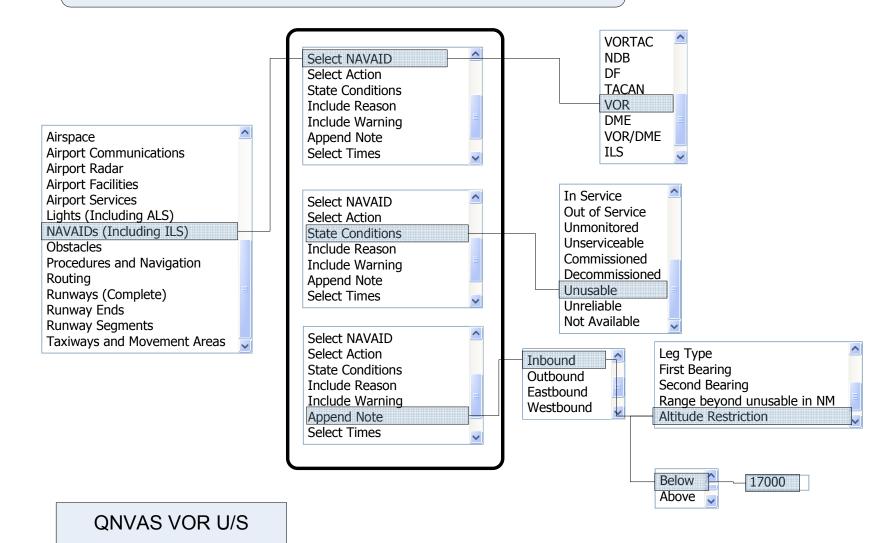
!LOZ 09/006 LOZ TACAN AZM OTS



QNNAS TACAN Azimuth OTS



!MCB 12/010 MCB VOR UNUSBL 174-333 BYD 5NM 334-173 BYD 5NM BLW 17000





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